

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous listings.

Listing of Claims

1. (Original) A method for storing data entered by a user in a remote relational database, the method comprising the steps of:

 saving data as a plurality of software components at a server;
 converting the plurality of software components into a first string and a second string wherein the first string comprises a markup language format that substantially mimics the software components and the second string comprises a serialized string format of the plurality of software components;

 compressing the first string and the second string;
 transmitting the compressed first string and the compressed second string to a receiving server; and

 storing the compressed first string and the compressed second string in a relational database.

2. (Original) The method of claim 1, wherein the markup language format uses string concatenation.

3. (Original) The method of claim 1, wherein the compressed first string and the compressed second string are stored in a document data table.

4. (Original) The method of claim 3, wherein the compressed first string and the compressed second string are stored as a single record within the document data table.

5. (Original) The method of claim 4, wherein the compressed first string and the compressed second string are in binary format.

Attorney Docket No. 52493.000369

Application. No. 10/777,728

6. (Currently amended) A method for retrieving data from a remote relational database, as requested by a user at a user location, the method comprising the steps of:
 - requesting data from a relational database through a requesting server;
 - retrieving a compressed first string and a compressed second string from a relational database;
 - transmitting the compressed first string and the compressed second string to the requesting server;
 - decompressing the compressed first string and the compressed second string;
 - converting the second string to an original plurality of software components wherein the second string represents a serialized string format of the plurality of software components comprising a string of characters;
 - determining whether the second string was converted;
 - converting the first string to an original plurality of software components if the second string was not converted, wherein the first string represents a markup language format that substantially mimics the software components; and
 - displaying the original plurality of software components via a user interface;

determining that the conversion of the second string has failed; and

based on such determination, that the conversion of the second string has failed,

performing a further conversion process on the first string to convert the first string to software components.

7. (Original) The method of claim 6, wherein the markup language format uses string concatenation.

Attorney Docket No. 52493.000369

Application. No. 10/777,728

8. (Original) The method of claim 6, wherein the compressed first string and the compressed second string are retrieved from a document data table.

9. (Original) The method of claim 8, wherein the compressed first string and the compressed second string retrieved as a single record within the document data table.

10. (Original) The method of claim 9, wherein the compressed first string and the compressed second string are in binary format.

11. (Original) A system for storing data entered by a user in a remote relational database, the system comprising:

a server for saving data as a plurality of software components wherein the data is entered by the user;

a convert module for converting the plurality of software components into a first string and a second string wherein the first string comprises a markup language format that substantially mimics the software components and the second string comprises a serialized string format of the plurality of software components;

a compress module for compressing the first string and the second string;

a transmit module for transmitting the compressed first string and the compressed second string to a receiving server; and

a relational database for storing the compressed first string and the compressed second string.

12. (Original) The system of claim 11, wherein the markup language format uses string concatenation.

13. (Original) The system of claim 11, wherein the compressed first string and the compressed second string are stored in a document data table.

Attorney Docket No. 52493.000369

Application. No. 10/777,728

14. (Original) The system of claim 13, wherein the compressed first string and the compressed second string are stored as a single record within the document data table.

15. (Original) The system of claim 14, wherein the compressed first string and the compressed second string are in binary format.

16. (Original) A system for retrieving data from a remote relational database, as requested by a user at a user location, the system comprising:

a requesting server for requesting data from a relational database;
a retrieve module for retrieving a compressed first string and a compressed second string from a relational database;

a transmit module for transmitting the compressed first string and the compressed second string to the requesting server;

a decompress module for decompressing the compressed first string and the compressed second string;

a convert module for converting the second string to an original plurality of software components wherein the second string represents a serialized string format of the plurality of software components comprising a string of characters; determining whether the second string was converted; and converting the first string to an original plurality of software components if the second string was not converted, wherein the first string represents a markup language format that substantially mimics the software components; and

a user interface for displaying the original plurality of software components.

17. (Original) The system of claim 16, wherein the markup language format uses string concatenation.

Attorney Docket No. 52493.000369

Application. No. 10/777,728

18. (Original) The system of claim 16, wherein the compressed first string and the compressed second string are retrieved from a document data table.

19. (Original) The system of claim 18, wherein the compressed first string and the compressed second string retrieved as a single record within the document data table.

20. (Original) The system of claim 19, wherein the compressed first string and the compressed second string are in binary format.

21. (Currently amended) A computer program of instructions embodied on a tangible storage media configured to be readable by at least one processor for instructing the at least one processor to execute a computer process for performing the method as recited in claim 1.

22. (Currently amended) A computer program of instructions embodied on a tangible storage media configured to be readable by at least one processor for instructing the at least one processor to execute a computer process for performing the method as recited in claim 6.

23. (Currently amended) A computer program of instructions embodied on a tangible storage media configured to be readable by at least one processor to execute a computer process for storing data entered by a user in a remote relational database, the computer process comprising:

saving step for saving data as a plurality of software components at a server; converting step for converting the plurality of software components into a first string and a second string wherein the first string comprises a markup language format that substantially mimics the software components and the second string comprises a serialized string format of the plurality of software components;

Attorney Docket No. 52493.000369

Application. No. 10/777,728

compressing step for compressing the first string and the second string;
transmitting step for transmitting the compressed first string and the compressed second string to a receiving server; and
storing step for storing the compressed first string and the compressed second string in a relational database.

24. (Previously presented) A computer program of instructions embodied on a tangible media configured to be readable by at least one processor to execute a computer process for retrieving data from a remote relational database, as requested by a user at a user location, the computer process comprising:

requesting step for requesting data from a relational database through a requesting server;
retrieving step for retrieving a compressed first string and a compressed second string from a relational database;
transmitting step for transmitting the compressed first string and the compressed second string to the requesting server;

decompressing step for decompressing the compressed first string and the compressed second string;

converting step for converting the second string to an original plurality of software components wherein the second string represents a serialized string format of the plurality of software components comprising a string of characters;

determining step for determining whether the second string was converted;
converting step for converting the first string to an original plurality of software components if the second string was not converted, wherein the first string represents a markup language format that substantially mimics the software components; and

Attorney Docket No. 52493.000369

Application. No. 10/777,728

displaying step for displaying the original plurality of software components via a user interface.